



1642

ENTERED

1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/995,593A

DATE: 03/07/2002 8.6
TIME: 13:06:11

Input Set : A:\Kp8447dv.app

Output Set: N:\CRF3\03072002\I995593A.raw

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MAR 25 2002

TECH CENTER 1600/2900

C--> 3 <110> APPLICANT: SAKANO, SEIJI
4 ITOH, AKIRA
6 <120> TITLE OF INVENTION: DIFFERENTIATION-SUPPRESSIVE POLYPEPTIDE
8 <130> FILE REFERENCE: KP8447DIV
10 <140> CURRENT APPLICATION NUMBER: 09/995,593A
11 <141> CURRENT FILING DATE: 2002-02-28
13 <150> PRIOR APPLICATION NUMBER: 09/068,740
14 <151> PRIOR FILING DATE: 1998-06-18
16 <150> PRIOR APPLICATION NUMBER: JP 7-299611
17 <151> PRIOR FILING DATE: 1995-11-17
19 <150> PRIOR APPLICATION NUMBER: JP 7-311811
20 <151> PRIOR FILING DATE: 1995-11-30
22 <150> PRIOR APPLICATION NUMBER: PCT/JP96/03356
23 <151> PRIOR FILING DATE: 1996-11-15
25 <160> NUMBER OF SEQ ID NOS: 48
27 <170> SOFTWARE: PatentIn Ver. 2.1
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 43
31 <212> TYPE: PRT
32 <213> ORGANISM: Homo sapiens
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36 <222> LOCATION: (2)..(4)
37 <223> OTHER INFORMATION: Unknown amino acid
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40 <221> NAME/KEY: MOD_RES
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51 <222> LOCATION: (20)
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61 <222> LOCATION: (27)..(29)

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62 <223> OTHER INFORMATION: Unknown amino acid

64 <220> FEATURE:

65 <221> NAME/KEY: MOD_RES

66 <222> LOCATION: (31)..(33)

67 <223> OTHER INFORMATION: Unknown amino acid

69 <220> FEATURE:

70 <221> NAME/KEY: MOD_RES

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72 <223> OTHER INFORMATION: Unknown amino acid

74 <220> FEATURE:

75 <221> NAME/KEY: MOD_RES

76 <222> LOCATION: (39)

77 <223> OTHER INFORMATION: Unknown amino acid

79 <220> FEATURE:

80 <221> NAME/KEY: MOD_RES

81 <222> LOCATION: (41)..(42)

82 <223> OTHER INFORMATION: Unknown amino acid

84 <400> SEQUENCE: 1

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 86 1 5 10 15

W--> 88 Arg Asx Asp Xaa Phe Gly His Xaa Xaa Cys Xaa Xaa Xaa Gly Xaa Xaa
 89 20 25 30

W--> 91 Xaa Cys Xaa Xaa Gly Trp Xaa Gly Xaa Xaa Cys
 92 35 40

95 <210> SEQ ID NO: 2

96 <211> LENGTH: 200

97 <212> TYPE: PRT

98 <213> ORGANISM: Homo sapiens

100 <400> SEQUENCE: 2

101 Ser Gly Val Phe Glu Leu Lys Leu Gln Glu Phe Val Asn Lys Lys Gly
 102 1 5 10 15

104 Leu Leu Gly Asn Arg Asn Cys Cys Arg Gly Gly Ala Gly Pro Pro Pro
 105 20 25 30

107 Cys Ala Cys Arg Thr Phe Phe Arg Val Cys Leu Lys His Tyr Gln Ala
 108 35 40 45

110 Ser Val Ser Pro Glu Pro Pro Cys Thr Tyr Gly Ser Ala Val Thr Pro
 111 50 55 60

113 Val Leu Gly Val Asp Ser Phe Ser Leu Pro Asp Gly Gly Gly Ala Asp
 114 65 70 75 80

116 Ser Ala Phe Ser Asn Pro Ile Arg Phe Pro Phe Gly Phe Thr Trp Pro
 117 85 90 95

119 Gly Thr Phe Ser Leu Ile Ile Glu Ala Leu His Thr Asp Ser Pro Asp
 120 100 105 110

122 Asp Leu Ala Thr Glu Asn Pro Glu Arg Leu Ile Ser Arg Leu Ala Thr
 123 115 120 125

125 Gln Arg His Leu Thr Val Gly Glu Glu Thr Ser Gln Asp Leu His Ser
 126 130 135 140

128 Ser Gly Arg Thr Asp Leu Lys Tyr Ser Tyr Arg Phe Val Cys Asp Glu
 129 145 150 155 160

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131 His Tyr Tyr Gly Glu Gly Cys Ser Val Phe Cys Arg Pro Arg Asp Asp
132                               165                      170                      175
134 Ala Phe Gly His Phe Thr Cys Gly Glu Arg Gly Glu Lys Val Cys Asn
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137 Pro Gly Trp Lys Gly Pro Tyr Cys
138                               195                      200
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142 <211> LENGTH: 520
143 <212> TYPE: PRT
144 <213> ORGANISM: Homo sapiens
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148 1 5 10 15
150 Leu Leu Gly Asn Arg Asn Cys Cys Arg Gly Gly Ala Gly Pro Pro Pro
151 20 25 30
153 Cys Ala Cys Arg Thr Phe Phe Arg Val Cys Leu Lys His Tyr Gln Ala
154 35 40 45
156 Ser Val Ser Pro Glu Pro Pro Cys Thr Tyr Gly Ser Ala Val Thr Pro
157 50 55 60
159 Val Leu Gly Val Asp Ser Phe Ser Leu Pro Asp Gly Gly Gly Ala Asp
160 65 70 75 80
162 Ser Ala Phe Ser Asn Pro Ile Arg Phe Pro Phe Gly Phe Thr Trp Pro
163 85 90 95
165 Gly Thr Phe Ser Leu Ile Ile Glu Ala Leu His Thr Asp Ser Pro Asp
166 100 105 110
168 Asp Leu Ala Thr Glu Asn Pro Glu Arg Leu Ile Ser Arg Leu Ala Thr
169 115 120 125
171 Gln Arg His Leu Thr Val Gly Glu Glu Trp Ser Gln Asp Leu His Ser
172 130 135 140
174 Ser Gly Arg Thr Asp Leu Lys Tyr Ser Tyr Arg Phe Val Cys Asp Glu
175 145 150 155 160
177 His Tyr Tyr Gly Glu Gly Cys Ser Val Phe Cys Arg Pro Arg Asp Asp
178 165 170 175
180 Ala Phe Gly His Phe Thr Cys Gly Glu Arg Gly Glu Lys Val Cys Asn
181 180 185 190
183 Pro Gly Trp Lys Gly Pro Tyr Cys Thr Glu Pro Ile Cys Leu Pro Gly
184 195 200 205
186 Cys Asp Glu Gln His Gly Phe Cys Asp Lys Pro Gly Glu Cys Lys Cys
187 210 215 220
189 Arg Val Gly Trp Gln Gly Arg Tyr Cys Asp Glu Cys Ile Arg Tyr Pro
190 225 230 235 240
192 Gly Cys Leu His Gly Thr Cys Gln Gln Pro Trp Gln Cys Asn Cys Gln
193 245 250 255
195 Glu Gly Trp Gly Gly Leu Phe Cys Asn Gln Asp Leu Asn Tyr Cys Thr
196 260 265 270
198 His His Lys Pro Cys Lys Asn Gly Ala Thr Cys Thr Asn Thr Gly Gln
199 275 280 285
201 Gly Ser Tyr Thr Cys Ser Cys Arg Pro Gly Tyr Thr Gly Ala Thr Cys
202 290 295 300

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277 Gln Arg His Leu Thr Val Gly Glu Glu Trp Ser Gln Asp Leu His Ser
278      130      135      140
280 Ser Gly Arg Thr Asp Leu Lys Tyr Ser Tyr Arg Phe Val Cys Asp Glu
281 145      150      155      160
283 His Tyr Tyr Gly Glu Gly Cys Ser Val Phe Cys Arg Pro Arg Asp Asp
284      165      170      175
286 Ala Phe Gly His Phe Thr Cys Gly Glu Arg Gly Glu Lys Val Cys Asn
287      180      185      190
289 Pro Gly Trp Lys Gly Pro Tyr Cys Thr Glu Pro Ile Cys Leu Pro Gly
290      195      200      205
292 Cys Asp Glu Gln His Gly Phe Cys Asp Lys Pro Gly Glu Cys Lys Cys
293      210      215      220
295 Arg Val Gly Trp Gln Gly Arg Tyr Cys Asp Glu Cys Ile Arg Tyr Pro
296 225      230      235      240
298 Gly Cys Leu His Gly Thr Cys Gln Gln Pro Trp Gln Cys Asn Cys Gln
299      245      250      255
301 Glu Gly Trp Gly Gly Leu Phe Cys Asn Gln Asp Leu Asn Tyr Cys Thr
302      260      265      270
304 His His Lys Pro Cys Lys Asn Gly Ala Thr Cys Thr Asn Thr Gly Gln
305      275      280      285
307 Gly Ser Tyr Thr Cys Ser Cys Arg Pro Gly Tyr Thr Gly Ala Thr Cys
308      290      295      300
310 Glu Leu Gly Ile Asp Glu Cys Asp Pro Ser Pro Cys Lys Asn Gly Gly
311 305      310      315      320
313 Ser Cys Thr Asp Leu Glu Asn Ser Tyr Ser Cys Thr Cys Pro Pro Gly
314      325      330      335
316 Phe Tyr Gly Lys Ile Cys Glu Leu Ser Ala Met Thr Cys Ala Asp Gly
317      340      345      350
319 Pro Cys Phe Asn Gly Gly Arg Cys Ser Asp Ser Pro Asp Gly Gly Tyr
320      355      360      365
322 Ser Cys Arg Cys Pro Val Gly Tyr Ser Gly Phe Asn Cys Glu Lys Lys
323      370      375      380
325 Ile Asp Tyr Cys Ser Ser Ser Pro Cys Ser Asn Gly Ala Lys Cys Val
326 385      390      395      400
328 Asp Leu Gly Asp Ala Tyr Leu Cys Arg Cys Gln Ala Gly Phe Ser Gly
329      405      410      415
331 Arg His Cys Asp Asp Asn Val Asp Asp Cys Ala Ser Ser Pro Cys Ala
332      420      425      430
334 Asn Gly Gly Thr Cys Arg Asp Gly Val Asn Asp Phe Ser Cys Thr Cys
335      435      440      445
337 Pro Pro Gly Tyr Thr Gly Arg Asn Cys Ser Ala Pro Val Ser Arg Cys
338      450      455      460
340 Glu His Ala Pro Cys His Asn Gly Ala Thr Cys His Glu Arg Gly His
341 465      470      475      480
343 Arg Tyr Val Cys Glu Cys Ala Arg Gly Tyr Gly Gly Pro Asn Cys Gln
344      485      490      495
346 Phe Leu Leu Pro Glu Leu Pro Pro Gly Pro Ala Val Val Asp Leu Thr
347      500      505      510
349 Glu Lys Leu Glu Gly Gln Gly Gly Pro Phe Pro Trp Val Ala Val Cys

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/995,593A

DATE: 03/07/2002
TIME: 13:06:12

Input Set : A:\Kp8447dv.app
Output Set: N:\CRF3\03072002\I995593A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3,4,7,8,9,11,12,13,20,24,25,27,28,29,31,32,33,35,36,39

Seq#:1; Xaa Pos. 41,42

Seq#:16; N Pos. 12

Seq#:40; Xaa Pos. 1,2,4,5,6,9,10,11,13,14,15,22,26,27,29,30,31,33,34,35,37

Seq#:40; Xaa Pos. 38,41,43,44

VERIFICATION SUMMARY

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Input Set : A:\Kp8447dv.app

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:88 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:32
L:1867 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:2211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:2214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:16
L:2217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:32



Creation date: 03-09-2004
Indexing Officer: ICHARLES - IRENE CHARLES
Team: OIPEBackFileIndexing
Dossier: 09995593

Legal Date: 08-26-2002

No.	Doccode	Number of pages
1	IDS	1
2	NPL	3

Total number of pages: 4

Remarks:

Order of re-scan issued on